

S&V 1993 Index

This is the cumulative index for Volume 27 of *Sound and Vibration*, January 1993 through December 1993. The index is divided into three parts: a chronological index of major editorial items and authors in order of publication in each issue; a subject index citing month and year of publication in each issue; and an authors index citing month and year of publication. The editorial items listed in the chronological index include: Editorials, S&V Observer items of significant interest, and all articles. These listings are cross-referenced to the subject and

author indexes.

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PRODUCT LITERATURE

Laser Image Processor

The Vibration Pattern Imager (VPI) system was designed to control and acquire data from laser vibrometer sensors. The PC computer based system uses a digital signal processing (DSP) board and an analog I/O board to control the sensor and to process the data. The VPI system can be readily adapted to any commercially available sensor which provides an analog output signal and requires analog inputs for control of mirror positioning. VPI's graphical user interface allows the operation of the program to be controlled interactively through keyboard and mouse-selected menu options. VPI is written in C language and Texas Instruments' TMS320C30 assembly language for IBM PC series and compatible computers running MS-DOS. *Cosmic, Athens, GA.*

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Emf Pickup-Stick

Prototype Pickup-Stick is a Radio Shack phone pickup, epoxy bonded to a 0.5 in. diameter wooden dowel which generates once - per - revolution synchronization pulses for rotor vibration testing. A small magnet can be attached to a rotor to generate pulses in the pickup. Alternatively, dowel serves as a handle when mapping transformer or other component emf. A DMM or oscilloscope is used to monitor Pickup-Stick signals when emf field mapping. Pickup-Stick is used in teaching synchronous/asynchronous DSP principles. Signal analysis/test source modules written in QuickBASIC 4.5 are available. *CorTech Training, Red Wing, MN.*

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